

# Desktop Surge Station for Notebook Computers

OWNER'S MANUAL — Please read before using this equipment.

Your RadioShack Desktop Surge Station for Notebook Computers protects your appliances by absorbing electrical spikes and power surges up to 550 joules, and ensures steady performance of connected devices by filtering electromagnetic and radio frequency interference.

Your surge station has these features:



**Swift Detection of Power Surges** — detects and protects against a power surge of up to 6,000 volts and 34,000 amps in 1 nanosecond (1 billionth of a second).

**Modular Phone Jacks** — provide protection against surges from the connected fax modem or LAN cable.

**PROTECTED WHEN LIT Indicator** — lights when the connected devices are under surge protection.

**GROUNDING WHEN LIT Indicator** — lights when the connected devices are properly grounded.

**WARNING:** To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
<b>CAUTION:</b> TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.		



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

**Important:** A surge or spike beyond the specified limits might overload the protection circuitry and make it inactive. If this happens, the surge strip should absorb enough of the surge to protect the connected equipment, but it will not protect against future surges and spikes. If this happens and the PROTECTED WHEN LIT indicator goes out, replace the surge strip with a new one.

#### Cautions:

- This surge strip is not a lightning arrestor and might not protect against lightning-induced voltage surges.
- Be sure the total wattage of all connected devices does not exceed 1,800 watts.

- Use the surge strip only with a three-prong standard AC plug and outlet or a grounded two-to-three prong adapter. The surge strip cannot provide protection without a grounded AC source.
- The devices you plug into the surge strip must have the same voltage and frequency ratings noted in "Specifications".

## THE FCC WANTS YOU TO KNOW

We have designed your Desktop Surge Station for Notebook Computers to conform to federal regulations, and you can connect it to most telephone lines. However, each device, such as a surge protector, telephone, or answering machine that you connect to the telephone line draws power from the telephone line. We refer to this power draw as the device's ringer equivalence number, or REN. The REN is on the bottom of your surge protector.

If you use more than one phone or other device on the line, add up all of the RENs. If the total is more than five (three in rural areas), your telephones might not ring. If ringer operation is impaired, remove a device from the line.

Your surge protector complies with Part 68 of *FCC Rules*. You must, upon request, provide the FCC registration number and the REN to your telephone company. Both numbers are on the bottom of the protector.

**Note:** You must not connect your surge protector to:

- coin-operated systems
- party-line systems
- most electronic key telephone systems

## SAFETY PRECAUTIONS

Your surge station connects your fax, modem or other data line to a telephone line. When using telephone lines, it is important to follow these safety precautions.

- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for use in wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.

## IMPORTANT SAFETY INSTRUCTIONS

**Read Instructions** — Read all the safety and operating instructions before operating this appliance.

**Retain Instructions** — Retain the safety and operating instructions for future reference.

**Heed Warnings** — Follow all warnings on the appliance and in the operating instructions.

**Cleaning** — Unplug this appliance from the wall outlet before cleaning. Use only a damp cloth for cleaning. Do not use liquid or aerosol cleaners. The appliance should be cleaned only as recommended by the manufacturer.

**Water and Moisture** — Do not use this appliance near water (for example, near a bathtub, washbowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool or fish tank).

**Mounting Accessories** — Do not place this appliance on an unstable cart, stand, tripod, bracket, or table. The appliance may fall, causing serious injury to a child or adult and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the appliance. Follow the manufacturer's instructions for mounting, and use a recommended mounting accessory.

**Ventilation** — Slots and openings in the cabinet provide ventilation, ensure reliable operation, and protect from overheating. Do not block or cover these openings, and do not place the appliance on a bed, sofa, rug, or other similar surface. Do not place the appliance in a built-in installation such as a bookcase or rack unless it provides proper ventilation as specified by the manufacturer.

**Heat** — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

**Power Sources** — Operate this appliance using only the power source indicated on its marking label. If you are not sure of your home's power type, consult your appliance dealer or local power company.

**Grounding or Polarization** — Take precautions to insure that the grounding or polarization means of an appliance is not defeated.

**Power-Cord Protection** — Route power supply cords so they are not likely to be walked on or pinched by items placed on or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

**Non-use Periods** — The power cord of the appliance should be unplugged from the outlet when the appliance is to be left unused for a long period of time.

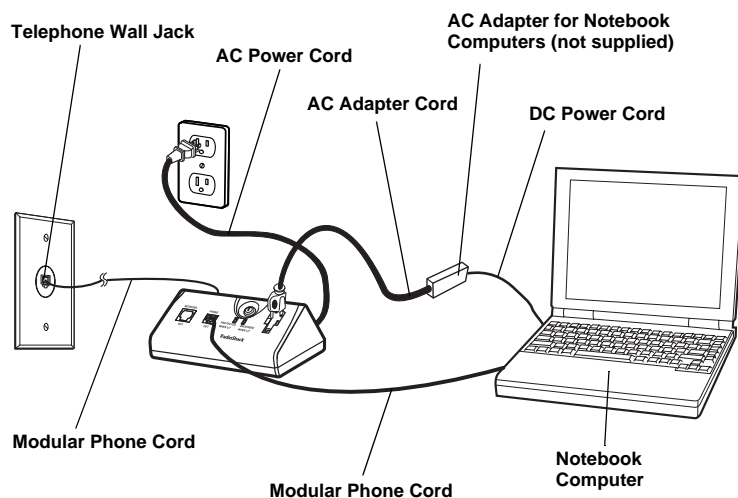
**Overloading** — Do not overload wall outlets, extension cords, or integral convenience receptacles, as this can result in a risk of fire or electric shock.

**Objects and Liquids** — Never push objects of any kind into this appliance through openings, as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the appliance.

**Damage** — Unplug this appliance from the wall outlet and replace it:

- When the power cord or plug is damaged.
- If liquid has been spilled or objects have fallen into the appliance.
- If the appliance has been exposed to rain or water.
- If the appliance has been dropped or damaged in any way.
- When the appliance exhibits a distinct change in performance.

## CONNECTIONS



1. Turn power off by pressing the surge station's power switch up.
2. *To connect a modem, telephone or fax machine*, connect one end of the supplied modular telephone cord to the surge station's modular **PHONE IN** jack and the other end to a standard telephone wall jack. Then connect one end of a second modular telephone cord (not supplied) to the surge station's modular **PHONE OUT** jack and the other end to your notebook computer's modem jack, telephone, or fax machine.  
  
*To connect a LAN*, connect one end of a modular Ethernet cord's RJ45 plug (not supplied) to the surge station's modular **NETWORK IN** jack and the other end to the network's RJ45 jack. Connect the surge station's modular **NETWORK OUT** jack to your notebook computer's Ethernet card's RJ45 jack.
3. Connect your notebook computer's DC power cord to an AC adapter for notebook computers (not supplied). Plug the adapter into the surge station's AC socket.  
  
**Note:** The surge station's AC socket has a cover. When you are not using your notebook computer, slide down the cover to prevent children from inserting metal objects into the AC socket.
4. Plug the surge station's AC power cord into a standard three-prong AC outlet.

## OPERATION

### Under Normal Conditions

When all connections are complete, turn on the surge station by pressing down the power switch. The **PROTECTED WHEN LIT** and **GROUNDED WHEN LIT** LED indicators light. The connected devices are under the surge station's protection.

**Caution:** If the **GROUNDED WHEN LIT** indicator does not light, your surge station is not grounded. You must move it to a different grounded, three-prong AC outlet.

### Under Abnormal Conditions

If the surge protector receives an unusually strong surge, the built-in protection absorbs the surge to protect your equipment. However, if the surge is strong enough, it will deplete the ability of the protection circuitry. The **PROTECTED WHEN LIT** indicator turns off. The surge protector's AC line is no longer protected from surges; replace the surge protector.

# CARE

Keep the surge protector dry; if it gets wet, wipe it dry immediately. Use and store the surge protector only in normal temperature environments. Handle the surge protector carefully; do not drop it. Keep the surge protector away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the surge protector's internal components can cause a malfunction and might invalidate its warranty. If your surge protector is not performing as it should, take it to your local RadioShack store for assistance.

# SPECIFICATIONS

AC Power Line Rating	125V, 15A, 60Hz, 1875W
Operation Environment	0–50° C
Humidity	0–75% Non-Condensing
UL Approvals	UL1449, UL497A
Number of AC Outlet	1
Cord Length	6 ft, With Standard Plug
Housing Material	Plastic
Visual Indicator	2 LEDs (Grounded When Lit and Protected When Lit)
Noise Frequency Range	100kHz–100MHz
Noise Attenuation Level	Up to 40dB
Modes of Noise Rejection	Common
Maximum Surge Voltage	6,000V
Total Maximum Surge Current	34,000A
Composite Maximum Energy Dissipation	
120 VAC Line	550J
Phone Line	60J
Total Maximum Energy Dissipation	670J
Modes of Protection	Hot–Neutral, Hot–Ground, Neutral–Ground
Clamping Time	<1 Nanosecond
Clamping Voltage	330V
Additional Protection	Phone/Fax/Modem, (1 In, 1 Out) Tip-Ground, Ring Ground
LAN protection	
Clamping Voltage	60–90V
	1 In, 1 Out
FCC Registration	Part 68
AC Power Cord Length	6 ft (1.8 m)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

## LIMITED FIVE-YEAR WARRANTY AND CONNECTED EQUIPMENT GUARANTEE

**LIMITED WARRANTY** — This surge protector product is warranted by RadioShack to the original purchaser against manufacturing defects in material and workmanship under normal use for five (5) years from the date of purchase (the "Warranty Period") from RadioShack company owned stores and authorized RadioShack franchisees and dealers. In the event of a covered product defect during the Warranty Period, RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by surge protector repair without charge for parts and labor; (b) replace the surge protector with one of the same or similar design; or (c) refund the purchase price of the surge protector.

**CONNECTED EQUIPMENT GUARANTEE** — RadioShack warrants to the original purchaser of the surge protector that if any electronic equipment (the "Connected Equipment"), which is properly installed and connected (as defined below) to the surge protector and is damaged during the Warranty Period by a transient voltage surge/spike from the AC power line, telephone line or coaxial line that enters the Connected Equipment through the surge protector, RadioShack will reimburse to the original purchaser of the surge protector the lower of the: (a) Connected Equipment repair charges; (b) purchase price of equipment comparable (as determined by RadioShack) to the Connected Equipment; or (c) original purchase price of the Connected Equipment, up to a maximum of twenty-five thousand U.S. dollars (\$25,000.00) (the "Equipment Limit"). The Connected Equipment Guarantee does not cover data loss or any other damages excluded in the all capitalized paragraph below. In order to qualify for Connected Equipment reimbursement, the surge protector must be returned to RadioShack and inspection of the surge protector must show its protection capacity was exhausted by a surge. "Properly installed and connected" means the surge protector must be plugged directly into a properly wired and grounded AC outlet; no extension cords, adapters, other ground wires or electrical connections may be used to connect the surge protector to AC power and no more than one piece of Connected Equipment may be connected to any one surge protector outlet. The wiring in the building must comply with all applicable codes (NEC, CSA, etc.), and all wires (power, telephone and coaxial) leading into the Connected Equipment must pass through the surge protector. To claim damage to Connected Equipment as a result of telephone line transients, the surge protector must provide telephone line protection, and your telephone service equipment must include a properly installed and operating "primary protection" device at the service entrance. Primary protection devices are normally available from the telephone company and added during telephone line installation. To claim damage to Connected Equipment as a result of coaxial line transients, the surge protector must provide coaxial line protection.

This Limited Warranty and Connected Equipment Guarantee applies only to the original purchaser of the surge protector.

**EXCEPT AS PROVIDED HEREIN, RADIOSHACK MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RADIOSHACK SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY OR CONNECTED EQUIPMENT GUARANTEE, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RADIOSHACK HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

To make a claim for surge-induced damage to Connected Equipment, you must:

1. Call RadioShack at 1-888-353-1560 for a return authorization number during the Warranty Period. Under no circumstances will a claim for surge-induced damage to Connected Equipment be accepted without a return authorization number;
2. Have any surge-induced, damaged Connected Equipment repaired (or get an estimate for repair) by a service center authorized by the manufacturer of the Connected Equipment unless the service center determines that the Connected Equipment is not repairable or that the cost of repair will be more than the purchase price of comparable replacement equipment. If the Connected Equipment is not to be repaired, get a written quotation for the purchase price of comparable replacement equipment. In no event will RadioShack reimburse more than the Equipment Limit. The repair bill or estimate from the authorized service center must indicate that the damage to the Connected Equipment was surge-induced; and
3. Ship the original surge protector, postage prepaid to: RadioShack, 5673 Gibraltar Drive, Suite 150, Pleasanton, CA 94588. Include: (a) your name, address and daytime telephone number; (b) the original or a photocopy of the sales receipt for the surge protector; (c) a brief description of any problem with the surge protector; (d) a brief description of how the damage to the Connected Equipment occurred; (e) the original authorized service center repair bill or estimate documenting that the damage to the Connected Equipment was surge-induced; and (f) if replacement equipment is to be purchased, the original or a photocopy of the quotation for comparable replacement equipment and the authorized service center repair estimate must contain a statement that the Connected Equipment is not repairable or that the cost of repair will be more than the purchase price of comparable replacement equipment.

If RadioShack determines that damage to Connected Equipment is covered, RadioShack will reimburse, up to the Equipment Limit amount defined above, to the original purchaser of the surge protector the lower of the: (a) repair charges; (b) purchase price of comparable replacement equipment; or (c) the original purchase price of the Connected Equipment. In addition, in the event of a covered product defect during the Warranty Period, RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by surge protector repair without charge for parts and labor; (b) replace the surge protector with one of the same or similar design; or (c) refund the purchase price of the surge protector.

To make a warranty claim for a defect in the surge protector without a claim for surge-induced damage to Connected Equipment, you must, during the Warranty Period, take the surge protector and the RadioShack sales receipt as proof of purchase date to any RadioShack store.

All replaced parts, products, and Connected Equipment and products and Connected Equipment on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts in surge protectors and replacement surge protectors are warranted for the remainder of the Warranty Period. You will be charged for repair or replacement of the product made after the expiration of the Warranty Period.

This Limited Warranty and Connected Equipment Guarantee does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning; (b) any repairs other than: (i) surge protector repairs provided by a RadioShack Authorized Service Facility; and (ii) reimbursement of the cost of initial repairs to Connected Equipment performed by a service center authorized by the manufacturer of the Connected Equipment; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product or Connected Equipment removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, Sixth Floor, Fort Worth, Texas 76102

*We Service What We Sell*

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